

What is claimed is:

1. A device comprising:  
an elongate filament configured into a pseudo-braided pattern and  
formed to define a generally tubular body with a first end and a second end; and  
said first and second ends each being defined by a plurality of  
5 endless reversals of direction of said filament.
2. The device of claim 1, further comprising at least one more  
elongate filament interlaced in the pseudo-braided pattern.
3. The device of claim 1, wherein said plurality of endless  
reversals define a simple arc.
4. The device of claim 3, wherein said simple arc has a variable  
radius of curvature.
5. The device of claim 3, wherein said simple arc has a uniform  
radius of curvature.
6. The device of claim 1, wherein at least one of said plurality of  
reversals embody loops having a generally constant radius of curvature.
7. The device of claim 1, wherein at least one of said plurality of  
reversals embody loops having a variable radius of curvature.
8. The device of claim 1, wherein at least one of said plurality of  
reversals embody a full-turn helical configuration.

9. The device of claim 1, wherein said pseudo-braided pattern is uniform along a length of said tubular body.

10. The device of claim 1, wherein said pseudo-braided pattern is non-uniform along a length of said tubular body.

11. The device of claim 1, wherein said filament is undulated between crossing points.

12. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined together by twining.

13. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined together by welding.

14. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined together by epoxy.

15. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined together by a sleeve, said sleeve embodying radiopaque material.

16. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined together by a ball end, said ball end embodying radiopaque material.

17. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined in a middle portion of the device.

18. The device of claim 1, wherein said filament includes a first end and a second end, said first and second ends being joined at an end of the device.

19. The device of claim 1, wherein said filament is made from a tube.

20. The device of claim 1, wherein said filament is configured into a coil.

21. The device of claim 1, wherein said filament has a variable cross-sectional profile.

22. The device of claim 1, wherein said plurality of endless reversals of direction function to enhance hoop strength of said device at said first and second ends thereof.

23. The device of claim 1, wherein said device can be reduced to less than 10 percent of its expanded diameter.

24. The device of claim 1, wherein said device can be delivered into a patient's vasculature by a microcatheter.

25. The device of claim 1, wherein said device is self-expanding.

26. The device of claim 1, wherein at least one of said first end and said second end is configured with a flared portion.

27. The device of claim 26, wherein each of said first and second ends are flared.

28. A device for use in embolic protection, comprising:  
an elongate filament configured into a pseudo-braided pattern and formed to define a body having a generally tubular inferior portion and a generally conical superior portion; and

5                   said proximal and distal portions each being defined by a plurality of endless reversals of direction of said filament.

29. The device of claim 28, further comprising:  
an elongate wire having proximal and distal end portions; and  
said body configured about said elongate wire, said generally conical  
10 superior portion being affixed to said elongate wire.

30. The device of claim 29, further comprising a delivery catheter, said delivery catheter having a generally tubular portion that is adapted for receiving said body and said elongate wire.

31. The device of claim 29, further comprising a plurality of loops, a first end of said loops engaging said inferior portion of said body and a second end of said loops being affixed to said elongate wire.

32. The device of claim 31, further comprising a collar, said collar being joined to said plurality of loops.

33. The device of claim 32, wherein said collar is configured to slide longitudinally along said elongate wire.

34. The device of claim 32, wherein said body is self-expanding.

35. A thrombectomy device, comprising:

an elongate filament configured into a pseudo-braided pattern and  
formed to define a body having a first end and a second end; and

5 said first and second ends each being defined by a plurality of  
endless reversals of directions of said filament.

36. The device of claim 35, further comprising:

an elongate wire, said body being configured about said wire; and  
a collar configured about said elongate wire in a slidable fashion,

said collar affixed to first said end of said body;

10 wherein said second end of said body is affixed to said elongate wire.

37. The device of claim 35, wherein said pseudo-braided pattern  
is uniform along a length of said body.

38. The device of claim 35, wherein said pseudo-braided pattern  
is varied along a length of said body.

39. The device of claim 35, wherein said body is self-expanding.

40. A device for use in embolic therapy, comprising:

an elongate filament configured into a pseudo-braided pattern and  
formed to define a generally spherical body; and

a delivery microcatheter releasably connected to said spherical body.

41. The device of claim 40, wherein said spherical body is self-  
expanding.

42. The device of claim 40, wherein said spherical body is formed from a tube having first and second ends, said first and second ends being collapsed upon themselves to thereby define a closed spherical structure.